OIPE

RAW SEQUENCE LISTINGPATENT APPLICATION: US/09/827,854

DATE: 04/23/2001
TIME: 13:10:38

Input Set : A:\07180.004003.SEQLIST.TXT
Output Set: N:\CRF3\04232001\1827854.raw

ENTERED

```
4 <110> APPLICANT: Zannis, Vassilis
              Kypreos, Kyriakos E.
      7 <120> TITLE OF INVENTION: Compounds and methods for lowering
              cholesterol levels without inducing hypertriglyceridemia
     11 <130> FILE REFERENCE: 07180/004003
C--> 13 <140> CURRENT APPLICATION NUMBER: US/09/827,854
C--> 13 <141> CURRENT FILING DATE: 2001-04-05
     13 <150> PRIOR APPLICATION NUMBER: US 09/679,088
     14 <151> PRIOR FILING DATE: 2000-10-04
     16 <150> PRIOR APPLICATION NUMBER: US 09/544,386
     17 <151> PRIOR FILING DATE: 2000-04-06
     19 <160> NUMBER OF SEQ ID NOS: 19
     21 <170> SOFTWARE: FastSEQ for Windows Version 4.0
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     24 <211> LENGTH: 299
     25 <212> TYPE: PRT
     26 <213> ORGANISM: Homo sapiens
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     31 Gln Thr Glu Trp Gln Ser Gly Gln Arg Trp Glu Leu Ala Leu Gly Arg
     32
                    20
                                        25
     33 Phe Trp Asp Tyr Leu Arg Trp Val Gln Thr Leu Ser Glu Gln Val Gln
                35
                                    40
     35 Glu Glu Leu Leu Ser Ser Gln Val Thr Gln Glu Leu Arg Ala Leu Met
     36
                                55
     37 Asp Glu Thr Met Lys Glu Leu Lys Ala Tyr Lys Ser Glu Leu Glu Glu
                            70
                                                75
     39 Gln Leu Thr Pro Val Ala Glu Glu Thr Arg Ala Arg Leu Ser Lys Glu
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     41 Leu Gln Ala Ala Gln Ala Arg Leu Gly Ala Asp Met Glu Asp Val Arg
                                        105
     43 Gly Arg Leu Val Gln Tyr Arg Gly Glu Val Gln Ala Met Leu Gly Gln
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                                    120
                                                        125
     45 Ser Thr Glu Glu Leu Arg Val Arg Leu Ala Ser His Leu Arg Lys Leu
     46
           130
                                135
                                                    140
     47 Arg Lys Arg Leu Leu Arg Asp Ala Asp Asp Leu Gln Lys Arg Leu Ala
                            150
                                                155
     49 Val Tyr Gln Ala Gly Ala Arg Glu Gly Ala Glu Arg Gly Leu Ser Ala
                        165
                                            170
    51 Ile Arg Glu Arg Leu Gly Pro Leu Val Glu Gln Gly Arg Val Arg Ala
                   180
                                        185
    53 Ala Thr Val Gly Ser Leu Ala Gly Gln Pro Leu Gln Glu Arg Ala Gln
               195
                                    200
    55 Ala Trp Gly Glu Arg Leu Arg Ala Arg Met Glu Glu Met Gly Ser Arg
           210
                                215
    57 Thr Arg Asp Arg Leu Asp Glu Val Lys Glu Gln Val Ala Glu Val Arg
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PATENT APPLICATION: US/09/827,854

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59	Ala	Lys	Leu	Glu	Glu	Gln	Ala	Gln	Gln	Ile	Arg	Leu	Gln	Ala	Glu	Ala
60		•			245					250	-				255	
61	Phe	Gln	Ala	Arq	Leu	Lvs	Ser	Trp	Phe	Glu	Pro	Leu	Val	Glu		Met
62				260		1 -			265					270	e	-100
	Gln	Arσ	Gln		Δla	Glv	Leu	Va 1		Lvs	Va 1	Gln	Δla		Val	Glv
64	04	**** 5	275			011	Dou	280	014		· u _	01	285	****	, u _	017
	Thr	Sar		Δla	Dro	Va 1	Pro		Nen	λen	Hic		203			
66	1111	290	niu,	AIU	110	VUI	295	Der	изр	ASII	1113					
	~ 210		- TE	NO:	2		293									
				1: 29	9											
	<212				**											
						sap	piens	5								
				ICE:			~ -	_,		_		_		_	_	
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76	1				5		_			10					15	
	Gln	Thr	Glu		Gln	Ser	Gly	Gln		Trp	Glu	Leu	Ala	Leu	Gly	Arg
78	•			20					25					30		
79	Phe	Trp	Asp	${ t Tyr}$	Leu	Arg	\mathtt{Trp}	Val	Gln	Thr	Leu	Ser	Glu	Gln	Val	Gln
80			35					40					45			
81	Glu	Glu	Leu	Leu	Ser	Ser	Gln	Val	Thr	Gln	Glu	Leu	Arg	Ala	Leu	Met
82		50					55					60				
83	Asp	Glu	Thr	Met	Lys	Glu	Leu	Lys	Ala	Tyr	Lys	Ser	Glu	Leu	Glu	Glu
84						70					75					80
85	Gln	Leu	Thr	Pro	Val	Ala	Glu	Glu	Thr	Arg	Ala	Arg	Leu	Ser	Lys	Glu
86					85					90					95	
87	Leu	Gln	Ala	Ala	Gln	Ala	Arg	Leu	Gly	Ala	Asp	Met	Glu	Asp	Val	Cys
88				100					105		_			110		_
89	Gly	Arg	Leu	Val	Gln	Tyr	Arg	Gly	Glu	Val	Gln	Ala	Met	Leu	Gly	Gln
90	-	_	115			-	_	120					125		-	
91	Ser	Thr	Glu	Glu	Leu	Arq	Val	Arq	Leu	Ala	Ser	His	Leu	Ara	Lvs	Leu
92		130				•	135	_				140	_			
93	Ara	Lvs	Ara	Leu	Leu	Ara	Asp	Ala	Asp	Asp	Leu		Lvs	Ara	Leu	Ala
	145	-1-	,			150	F				155		-1-	9		160
		Tvr	Gln	Ala	Glv		Arg	Glu	Glv	Δla		Ara	Glv	Len	Ser	
96		-1-	0		165		9	014	017	170	OLU	9	011	cu	175	nii u
	Tle	Δrσ	Glu			Clv	Pro	T.011	Va 1		Gln	G1v	Ara	Va 1		λla
98		9	O_u	180	ncu.	017	110	ЦСИ	185	oru	0111	OL,	m g	190	ni 9	AIU
	Δla	Thr	Va l		Sar	Lau	Ala	Clar		Dro	LOU	Cln	C1 ii		7.1.	Cln
100		T 11T	195	_	261	ьеu	AIG	200		FIU	neu	GIII	205	_	ніа	GIII
		Фтт			7 200	. T.O.	. Ara			Mot	C1.	C1.,				7~~
		_	_	GIU	ALG	, пет	_		Arg	Met	. GIU			. Сту	sei	Arg
102		210		. 3		. 7	215		T	<u> </u>	. a1 -	220		01	17-1	3
			ASP	arg	теп			va1	гу	GIU			АТа	GIU	val	Arg
	225			- 03	<i>a</i> :	230		a 3	<i>a</i> 1	- 1	235		~ .			240
		гÀг	Leu	GLu			Ala	GIn	GIn			Leu	. GIn	Ala		
106				_	245		_	_		250		_			255	
	Phe	Gln	Ala			Lys	Ser	Trp			Pro	Leu	Val		_	Met
108		_		260					265					270		
109	Gln	Arg	Gln	Trp	Ala	Gly	Leu	Val	Glu	Lys	Val	Gln	Ala	Ala	Val	Gly



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Input Set : A:\07180.004003.SEQLIST.TXT
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123	Gln	Thr	Glu	Trp	Gln	Ser	Gly	Gln	Arg	Trp	Glu	Leu	Ala	Leu	Gly	Arg
124				20					25					30		
125	Phe	${\tt Trp}$	Asp	Tyr	Leu	Arg	${\tt Trp}$	Val	Gln	Thr	Leu	Ser	Glu	Gln	Val	Gln
126			35					40					45			
127	Glu	Glu	Leu	Leu	Ser	Ser	Gln	Val	Thr	Gln	Glu	Leu	Arg	Ala	Leu	Met
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		Glu	Thr	Met	Lys	Glu	Leu	Lys	Ala	Tyr	_	Ser	Glu	Leu	Glu	Glu
130						70					75					80
	Gln	Leu	Thr	Pro		Ala	Glu	Glu	Thr	_	Ala	Arg	Leu	Ser	Lys	Glu
132		_			85					90					95	
	Leu	Gln	Ala		Gln	Ala	Arg	Leu		Ala	Asp	Met	Glu		Val	Cys
134				100					105	_	_	_		110		
	GLy	Arg		Val	Gln	Tyr	Arg		Glu	Val	Gln	Ala		Leu	Gly	Gln
136	_		115		_	_		120	_		_		125			
	Ser	Thr	Glu	Glu	Leu	Arg		Arg	Leu	Ala	Ser		Leu	Arg	Lys	Leu
138	•	130		• .	. .		135	- 1	_	_	_	140	_	_	_	
		Lys	Arg	ьеи	ьеи		Asp	Ата	Asp	Asp		GIn	гĀг	Cys	Leu	
	145	M	C1 -	31.	G1	150	3	C1	01	11-	155	·	01	T	a	160
141	Val	Tyr	GIII	Ald	165	Ala	Arg	GIU	GTĀ		GIU	Arg	GIY	Leu		Ala
	т10	λνα	Clu	λνα		C1	Dro	T 011	17 - 1	170	C1 ~	C1	7 ~~	37 n 1	175	71.
144	TTE	Arg	GIU	180	Leu	GIA	PIO	neu	185	GIU	GIII	GIY	Arg	190	Arg	Ala
	λla	Thr	Wa 1		Sor	T 011	λla	C1++		Dro	T 011	Cln	C1.,		71-	C1 n
146	AIU	1111	195	Gry	261	лец	AIG	200	GIII	FIU	пеп	GIII	205	AIG	нта	GIII
	Δla	Trp		Glu	Δra	T.211	Δrα		Δra	Mot	Glu	Glu		C1 17	Sor	λνα
148	71.T.G	210	Cly	Olu	ni 9	Deu	215	AIU	Arg	Mec	GIU	220	rie c	Gry	Ser	ALG
	Thr	Arg	Asn	Ara	T.@11	Asn		Val	Lvc	Glu	Gln.		Δla	Glu	Val	Δra
	225	9	р	*** 9	шси	230	Olu	, u _	כעם	GIU	235	vuı	AIU	GIU	vui	240
		Lys	Len	Glu	Glu		Δla	Gln	Gln	T۱۵		T.eu	Gln	Δla	Glu	
152		-110	Deu	Olu	245	0111	niu	0111	GIII	250	Arg	пец	GIII	AIU	255	AIG
	Phe	Gln	Ala	Ara		Lvs	Ser	Tro	Phe		Pro	T.eu	Val	Glu		Met
154				260		-10			265		110	Lou	,	270	пор	1100
	Gln	Arg	Gln		Ala	Glv	Leu	Val		Lvs	Val	Gln	Ala		Val	Glv
156		9	275			1		280	J_ u	_, 5	, u. 1	J _ 11	285			J_1
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Input Set : A:\07180.004003.SEQLIST.TXT
Output Set: N:\CRF3\04232001\I827854.raw

	4 <213> ORGANISM: 6 <400> SEQUENCE:																
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171 172	Phe	Trp	Asp 35	Tyr	Leu	Arg	Trp	Val 40	Gln	Thr.	Leu	Ser	Glu 45	Gln	Val	Gln	
173 174	Glu	Glu 50	Leu	Leu	Ser	Ser	Gln 55	Val	Thr	Gln	Glu	Leu 60	Arg	Ala	Leu	Met	
	Δen		Thr	Mot	T.v.e.	Glu		Lvc	Δla	Tyr	Laze		Glu	Lan	Clu	Glui	
176	65				_	70		-		-	75					80	
	Gln	Leu	Thr	Pro	Val	Ala	Glu	Glu	Thr	Arg	Ala	Arg	Leu	Ser	Lys	Glu	
178					85					90					95		
179	Leu	Gln	Ala	Ala	Gln	Ala	Arg	Leu	Gly	Ala	Asp	Met	Glu	Asp	Val	Cys	
180				100					105					110			
181	Gly	Arg	Leu	Val	Gln	Tyr	Arg	Gly	Glu	Val	Gln	Ala	Met	Leu	Asp	Gln	
182			115					120					125				
183	Ser	Thr	Glu	Glu	Leu	Arg	Val	Arg	Leu	Ala	Ser	His	Leu	Arg	Lys	Leu	
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186	145					150					155					160	
187	Val	Tyr	Gln	Ala	Gly	Ala	Arg	Glu	Gly	Ala	Glu	Arg	Gly	Leu	Ser	Ala	
188					165					170		-	_		175		
189	Ile	Arg	Glu	Arg	Leu	Gly	Pro	Leu	Val	Glu	Gln	Gly	Arq	Val	Arq	Ala	
190				180		-			185			•	_	190	-		
191	Ala	Thr	Val	Gly	Ser	Leu	Ala	Gly	Gln	Pro	Leu	Gln	Glu	Arg	Ala	Gln	
192			195	_				200					205	•			
193	Ala	Trp	Gly	Glu	Arq	Leu	Arg	Ala	Arq	Met	Glu	Glu	Met	Glv	Ser	Arg.	
194		210	-		•		215					220		•		.	
195	Thr	Arg	Asp	Arg	Leu	Asp	Glu	Val	Lys	Glu	Gln		Ala	Glu	Val	Arq	
196		_	•	-		230			-		235					240	
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198		•			245					250	,				255		
199	Phe	Gln	Ala	Arq		Lvs	Ser	Trp	Phe	Glu	Pro	Leu	Val	Glu		Met	
200				260					265					270			
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202		5	275			1		280		-1-		· · · ·	285		,	U -1	
	Thr	Ser			Pro	Val	Pro		Δsn	Asn	Hic		200				
204		290					295		шьр	11011	4-5						
-	<210		יד מי	NO.	5												
	<211																
	<212																
					Homo sapiens												
	<400					Jur	· ·	,									
						Va 1	G111	Фbr	G111	Pro	G1	Dro	C1	Lou	λ~~	Cl-	
214	дуз 1	, u.	31u	3 T I I	5 5	101	JIU	TIIT	JIU	10	GIU	LIO	GIU	ьeu	15	GTII	
		Thr	G1 11	ψ×ν.		Sor	G1 17	Gln	Δτα	Trp	Gl.	Len	λ1~	T 0		Ar-	
216	J-11		JIU	20	2111	261	Gry	3111	25	11 P	JIU	пеп	пта	30	сту	AI 9	
									<i></i>		•			50			



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217 218	Phe	Trp	Asp 35	Tyr	Leu	Arg	Trp	Val	Gln	Thr	Leu	Ser	Glu 45	Gln	Val	Gln
	Glu	Glu	Leu	Len	Ser	Ser	Gln		Thr	Gln	Glu	T.e.u		Δla	T.611	Mot
220		50					55					60	-			
221 222	_	Glu	Thr	Met	Lys	Glu 70	Leu	Lys	Ala	Tyr	Lys 75	Ser	Glu	Leu	Glu	Glu 80
	Gln	Leu	Thr	Pro		Ala	Glu	Glu	Thr		Ala	Arg	Leu	Ser		Glu
224	T	C1 =	7 1.a	71-	85	7.1 ~	7	T	C1	90	1	14-1	a 1	.	95	G
226			Ala	100			-		105		_			110		_
227 228	Gly	Arg	Leu 115	Val	Gln	Tyr	Arg	Gly 120	Glu	Val	Gln	Ala	Met 125	Leu	Gly	Gln
229	Ser	Thr	Glu	Glu	Leu	Arq	Val	Arq	Leu	Ala	Ser	His	Leu	Arq	Lvs	Leu
230		130					135					140				
		гλг	Arg	Leu	ьeu		ASP	Ala	Asp	Asp		GIN	ьуs	Arg	Leu	
	145	m	01	31 -	a1	150		a 1	a 1	- 1 -	155		- 1	- .	a	160
234			Gln		165		_		_	170		-	_		175	
	Ile	Arg	Glu	Arg	Leu	Gly	Pro		Val	Glu	Gln	Gly	Arg	Val	Arg	Ala
236				180				•	185					190		
	Ala	Thr	Val	Gly	Ser	Leu	Ala	Gly	Gln	Pro	Leu	Gln	Glu	Arg	Ala	Gln
238			195					200					205			
239	Ala	Trp	Gly	Glu	Arg	Leu	Arg	Ala	Arg	Met	Glu	Glu	Met	Gly	Ser	Arg
240		210					215					220				
241	Thr	Arg	Asp	Arg	Leu	Asp	Glu	Val	Lys	Glu	Gln	Val	Ala	Glu	Val	Arg
	225					230					235					240
243	Ala	Lys	Leu	Glu	Glu	Gln	Ala	Gln	Gln	Ile	Arg	Leu	Gln	Ala	Glu	Ala
244					245					250	•				255	
245	Phe	Gln	Ala	Arg	Leu	Lys	Ser	Trp	Phe	Glu	Pro	Leu	Val	Glu	Asp	Met
246				260		-		-	265					270	-	
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248		_	275	•		•		280		- 4			285			1
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260	î				5					10					15	0.2
		Thr	Glu	Trp	_	Ser	Glv	Gln	Ara		Glu	Len	Ala	Len		Ara
262				20			0-1	·	25					30	0-1	*** 9
	Phe	Trp	Asp		Leu	Ara	Trp	Val		Thr	Len	Ser	Glu		Va 1	Gln
264		-~P	35	-1-	u	9	1	40	J.11		LCu	JC1	45	J111	, uı	
265	Glu	Glu	Leu	Leu	Ser	Ser	Gln		Thr	Gln	Glu	Leu		Ala	Leu	Met
266		50					55					60	3			
267	Asp	Glu	Thr	Met	Lys	Glu	Leu	Lys	Ala	Tyr	Lys		Glu	Leu	Glu	Glu
268					-	70		-		_	75				-	80



VERIFICATION SUMMARY

DATE: 04/23/2001

PATENT APPLICATION: US/09/827,854

TIME: 13:10:39

Input Set : A:\07180.004003.SEQLIST.TXT Output Set: N:\CRF3\04232001\I827854.raw

L:13 M:270 C: Current Application Number differs, Replaced Current Application No

L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date